



# LL3-TX0410

LL3

FIBERS

**SICK**  
Sensor Intelligence.



Illustration may differ



### Ordering information

Type	Part no.
LL3-TX0410	1072949

Other models and accessories → [www.sick.com/LL3](http://www.sick.com/LL3)

### Detailed technical data

#### Features

<b>Device type</b>	Fibers
<b>Detection principle</b>	Through-beam system
<b>For fiber-optic sensor</b>	GLL170(T), WLL180T, WLL24 Ex
<b>Outer diameter, fiber-optic cable connection</b>	2.2 mm
<b>Fiber-optic cable cuttable</b>	✓
<b>Thread diameter (housing)</b>	M12
<b>Fiber-optic head design</b>	Threaded sleeve
<b>Fiber arrangement</b>	Monofiber
<b>Core structure</b>	Monofiber
<b>Angle of dispersion &lt; 60°</b>	Yes
<b>Highly flexible/elastic fibers (bend radius 1–4 mm)</b>	No
<b>Adapter end sleeves required</b>	No
<b>Angle of dispersion</b>	10.29°
<b>Integrated lens</b>	Yes
<b>Included with delivery</b>	Mounting, 4 x M12 hexagon nut, FC fiber cutter (5304141)
<b>Compatibility tip adapters</b>	No

#### Classifications

<b>ECl@ss 5.0</b>	27270905
<b>ECl@ss 5.1.4</b>	27270905
<b>ECl@ss 6.0</b>	27270905
<b>ECl@ss 6.2</b>	27270905
<b>ECl@ss 7.0</b>	27270905
<b>ECl@ss 8.0</b>	27270905
<b>ECl@ss 8.1</b>	27270905
<b>ECl@ss 9.0</b>	27270905
<b>ECl@ss 10.0</b>	27270905
<b>ECl@ss 11.0</b>	27270905
<b>ETIM 5.0</b>	EC002651

<b>ETIM 6.0</b>	EC002651
<b>ETIM 7.0</b>	EC002651
<b>UNSPSC 16.0901</b>	39121528

Sensing ranges with GLL170

<b>Operating mode 250 <math>\mu</math>s</b>	5,800 mm
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Sensing ranges with GLL170T

<b>Operating mode 50 <math>\mu</math>s</b>	17,600 mm
<b>Operating mode 250 <math>\mu</math>s</b>	20,000 mm

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)